

In the Abstract:

The following abstract has been added as the last page after the claims.

ELECTROGASDYNAMIC METHOD FOR GENERATION ELECTRICAL ENERGYAbstract of the Disclosure

A process is provided for producing electrical energy from thermal energy in which charges are separated between two working media triboelectrically or electrostatically, the charges are moved away from one another by displacement of the working media under the action of external gas flow forces. In the process, these external forces perform work against the Coulomb forces, and the charges are routed onto electrodes. The process steps are carried out within the inside volume of a heat pipe, with charge separation and charge displacement taking place using the directed gas flow within the heat pipe. The gas flow entrains a liquid medium and routes it past the other working medium for charge separation and displacement. An application of the present invention is in the use of solar energy.

In the Drawings:

Figures 1-3 as originally filed have been replaced by the accompanying Figures 1-5.